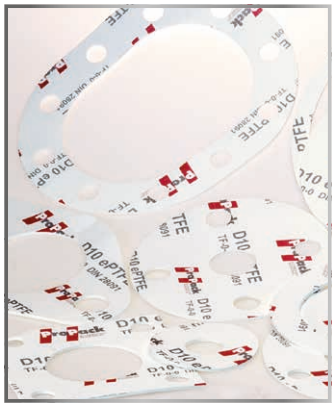
ProPack
DICHTUNGEN UND PACKUNGEN AG

Worldwide your competent partner for **Sealing Technology**



D 10 ProFlansch

Formstable biaxially expanded ePTFE sheets or die cutted gaskets

Characteristics

- Excellent adaption
- High blow-out resistance
- No cold flow
- Chemically inert

Operating range

p_{max} [bar]	Vacuum . . . 200
t °C	-240 . . . +270
pH	0 – 14

Recommended application range:
vacuum up to 40 bar at -240 °C to +230 °C

Further technical parameter

Minimum Surface pressure:
VU (40 bar; 0,01) = 26 Mpa
Maximum Surface Pressure:
VO = 150 Mpa
Minimum surface pressure in operation: BU < 5 Mpa
Cold upset compression value:
KSW = 40 %

Main application

- Flanges
- Vessels
- Lids
- Joints
- Narrow flanges
- Bigger uneveness
- Tension sensitive components (e.g. sight glasses)

Suitable for

- Chemical industry
- Food industry
- Maintenance

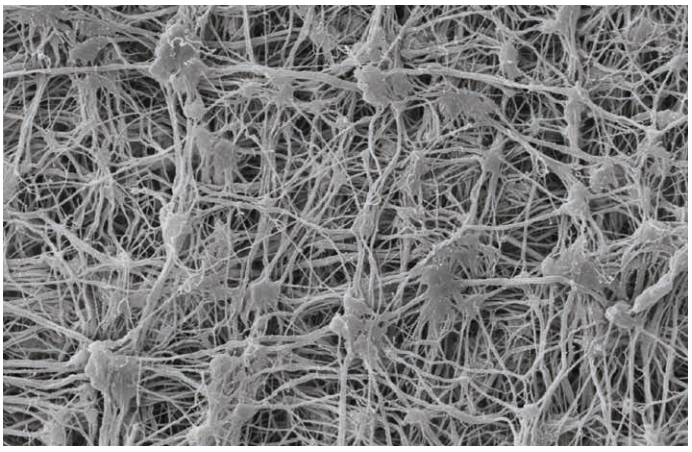
Approvals

- DIN 28090-2
- TA Luft 1,5 · 10^{-8} mbar · l/(s·m) @ 250 °C
- TÜV approval according to MUC-KSP-A066
- BAM for gaseous oxygen 60 °C / 40 bar and liquid oxygen
- FDA 21CFR 177.1550 (PTFE)

FDA

Form of delivery

- Sheet dimension: 1,500 x 1,500 mm
- Sheet gaskets thicknesses: 0.5 / 1.0 / 1.5 / 2.0 / 3.0 / 4,0 / 5,0 / 6,0 / 7,0 / 8,0 / 9,0 / 10 mm
- As insertable gasket or diecut shaped gasket for example hand + manhole gasket in any kind of form upon request



Microscopic view

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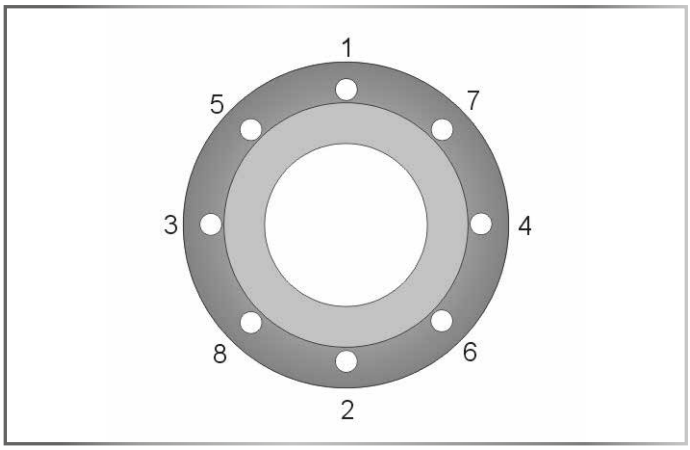
All technical information and advice is based on our experience and will be given most conscientiously but without any liability.
Indication and figures are for guidance only and need to be examined by the user. All sizes are subject to manufacturing tolerances. We reserve the right to modify specifications at any time.
Please note that the technical values cannot be used all at the same time in their maximum values.

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Installation

Clean sealing surface completely. Remove any dirt, corrosion, grease or remainders from old sealing materials.

- Position gasket centric on the sealing surface. Take extra care on vertical assemblies. First tighten bolts finger-tight.

  Then continue at least with 4 progressive torque sequences with a torque wrench, always torque crosswise as shown in the sketch (see fig. 1). Apply 25%, 50%, 75% and 100% of the recomended gasket stress.

- Always follow the state-of-the-art guidelines for gasket assembly as well as the recommended torque for your sealing system.
- Notes of the flange manufacturer and recomended torques for the sealing system (flange, bolt, gasket) need to be followed.

Gasket sheets technical data

	Compressibility ASTM F36 %	Recovery ASTM F36 %	PQR EN13555	Pressure* max * bar	Temp (Material)* max * °C	Material	Q_{min} EN13555 (MPa)	Q_{Smin} EN13555 (MPa)	Q_{Smax} EN13555 (MPa)
D 10 ProFlansch	55	13	0,94 @ 20 °C; QA=30MPa	40	270	ePTFE, biaxial gereckt	27	<10 (1)	160

*The max values of pressure and temperature cannot be used at the same time

The provided Pressure and Temperature data is based on optimal installation condition and steady control of the flange connnection

Gasket properties following EN 13555 (2 mm thickness) Q_{min}@40 bar He, 0.01 mg/(ms) and Q_{Smin}@QA 40 Mpa He, L=0.01

(1) Q_{Smin} @ QA 30 MPa,40 bar He, L=0.01

(2) Q_{Smin} @ QA 60 MPa,40 bar He, L=0.01

Q_{Smax} @ RT

Form of delivery

thickness (mm)	Recommended for Steel Flanges width according DIN 2690 (NW)	Surface pressure/ resulting thickness in (mm)			
		10 N/mm²	20 N/mm²	30 N/mm²	40 N/mm²
2	≤ 300	1.08	0.87	0.81	0.76
3	≤ 800	1.81	1.31	1.21	1.14
4	≤ 800	2.16	1.75	1.61	1.52
5	≤ 800	2.70	2.19	2.01	1.90
6	≤ 1500	3.24	2.62	2.42	2.28
7	≤ 1500	3.78	3.06	2.82	2.66
8	≤ 1500	4.32	3.50	3.22	3.04
9	≤ 1500	4.86	3.93	3.62	3.42
10	> 1500	5.41	4.37	4.03	3.80

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